## FIGURE 3A

		ATGECCERCITICSCOTTERAGGGGGGGGGGGGGGGGGAGCACCACGGAGGTGTTCCCGTGCCCACCTCCGAGCACTGGTGGCGGGGGGGG	ATGSCCGAGCTGGGCTGAAGGGGGGGGAACAACAACAAGGAGTGTGTTGCCGTGCCCAGCTCCGAGCAGGGGGGAGGTCGTGGGGAGGCAAGCAA	ATBECCERECTECEGCTERABGECRECACCACCERCCEGGASTSTETTCCCGTGCCCACCTCCGACGTGGCCGAGGTGGTGGGCGAGGCAGGC	ATGECCRACTECCGTRAAGGCAGCAGCAGCACCACCAGGAGTGTGTTCCCGTGCCCCACCTCCGAGGTGGCTGGGATGGTGGGGAGGCAAGGCTGAAGGCTGAAGGTTAAGGC	ATGROCHRICHGOGCTERABGGGLAGCAGCAGCAGGAGTGTTCCCGFGCCCCCCCCCCCCGCGGCGCCCCCCCCCC	ATGRCCRACTECGCCTGRAGGCAGCAGCAGCAACCACCAAGGAGTGTTCCCGTGCCCACCTCCCAAGCAGCAGCAGAGTCGTGGGGCAAGGCAAGGCTGCAAGATTAAGGC	ATGROCGAGCTGCGCCTGAAGGCAGCAACAACACCACGGAGTGTTTCCCGTGCCCACCTCCGAGGTGGCGAAGCTGGGGAGGCAAGGCTGGGCTGGAAGATTTAAGGC	131	CITERGESCCIAREACCAACATCHACAICAAGACGGESCGAGGGGGGGGGGGGAACCAGTGTGACAGGGGACGGGAGGGGAGGGA	CTTERGESCCERENCOROLOTRONTORNONGCESSTARGESCERESPORTORITERTCRITCRITCRITCRITCRITCRITCRITCRITCROCOLOTROCOLOTROCOLOTRO	CTRAGGOCAABACCAAPACCTAOATCAAGACACGGGGGGGGGGGGGGGGGGGGGGGG	CTTSSEGGCCSASSACCAACCTACATCAAGACACCGGTCAGGGGGGGAAACCAGTGTTTCSTGGGGGGGGGG	CTTGAGGGCCAAGACCTACATCAAGACGGGTGAGGGGGGGG	CTTSAGGGCCLAAGACCAACATCATCAAGACACGGGTGGGGGGGGGG	CTTSAGGGCCAAGACCTACATCAAGACCGACGGGGGGGGGG	CTTGAGGGCCAAGACCTACATCAAGACACGGGGGGGGGG	221 330	TOTCAGGAAGAACTTOTCCARGARCGTGCCTCCCGCAACAAGRCAGGCGCCGCTTRGGTGTGTGTCCTGCTCTCTGCCGCCAGGTGTAGGTGTCAGGTGTG	TOTCAGCAGGGGGGCACTTCTCCATGATCCGTGCCTCCCGCAACAAGTCAGGCGCCGCTTTTGGTGTGCTCCTGCTTCTGCCCGCCAGGTGACCATGCGTGACCATG	TOTCAGCAGGGGGGCACTTOTCCATGATCCGTGCCTCCGGCAACAAGTCAGGCGCCGCGTTTGGTGTGGCTCCTGCTTTGCCGCCAGGCAGG	TORCAGCAGCAGCACTICTCCAMGAICCGTGCCICCCGCAACAAGHGGCGCCGCTTTMGFGTGEGCTCCTGCTTTGCCGCCAGGCAGGTGACCATCGTCGTGTGGGGTG	TORCAGGAGGAGGACTTOTCCAMGATCCGTGCCTCCCGGAACAAGTGAGGCGCCGCTTTTGGTGTGGCTCCTGCCTG	TORCAGGAGGAGGACTICTCCARGARCCGTGCCCCCCGCAACAAGRCAGGGGGGGGGTTRYGGRGTGTGGCTCTGCTCTGCTCTGGCCGGCCAGGTGCARTCCGRGTGGGGTG	TOTCAGCAGCGGAGCACTICTCCCAGGATCCGTGCCCTCCCGCAACAAGTCAGGCGCCGTTTGGGTGTGGCTGCTGCTTGCCCGGCCAGGTGACCATCGTGCGTG	TOTICAGGAGGAACACTICTCCATGATGATGCTGCCGCAACAAGAAGGGGGCGCGCTTTGGTGGCTGTGGGCTGTTGCCGGGCCAGGCAGG	331	COCTACCECFTGTGGGGGTGGTGGTGGGCCCCCAAAGGGGCAACCATCCAGCGCATCCAGCAAAACAAAAAATATCATTATCAACAAAGAAGGAGCGAACGGGT	CCCTACCGCSTGGTGGGGGGGGGGCCCCCCAAAGGGGCAACCATCAAGCGCATCCAGCGCAACAACAACAACATATCATAACAAOCAAOCGTGACGCGGTCCCGTT	CCCTACCGCFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	CCCTACCECFTGTTGETGETGETGGTTGCTCCCCCAAAGGGGCAACCATCCAGCGCATTCAACCAAC	CCCTACCECPTGTTGFGGCTGGTGGTGGCCCCCAAAGGGGCAACCATCAAGGGGATCCAGCAACAACAACAACAACAACAACAACAACAACAACAA	CCCTACCECTICETTOETTCETTCETTCETTCCCAAAGGGGTAACCATCAAGGGCATCCACAACAACAACAACAACAACAACAACAACAACAAC	CONTROCROSTICITAGE SECTION DE SECTION DESECTION DESECTION DE SECTION DE SECTION DE SECTION DESECTION DE SECTION DE SECTION DE SECTION DE SECTION DE SECTIO	DODTACODENTINGERICATION WATER CODDODAAA GEGELAA OOA TOAA GOON WOOLDA OO AA OO AA OO AA AA OO AA OO AA OO OO
		3	(7)	(7)	(1)	()	3	(7)		(308)	(311)	(311)	(377)	(3.11)	(111)	(111)	(311)		(218)	(221)	(223)	(223)	(221)	(221)	(221)	(221)		(308)	(331)	(331)	(331)	(331)	(33)	(331)	(331)
	original BCY1	MC50Al9 BCY I	MCSORG BCY I	MCSOAS BCY I	MC54.23 BCY I	MC55,29 BCY I	MC55.32 BCY I	Consensus		original BCY1	MCSOALS BCY I	MC50A6 BCY I	MCSOAS BCX I	MC54.21 BCX I	MC55.29 BCX I	MC55.32 BCX I	Consensus		origins! BCY1	MC50819 BCX I	MC50A6 BCX I	MC50A8 BCX I	MC54.21 BCY I	MC55.29 BCY I	MC55.32 BCX I	Cooseosus		original BCY1	NOSONIS BOX I	MCSORG BCX I	MCSORS SCY I	MC54.21 BCY I	MC55,28 BCX I	MC55.32 BCX I	Consepsus

# FIGURE 3B

ITTORABITERCEGET GECOCLAGICAROGITGER GESTECE SOGGREBER CHICARBES CORRECES COSTEGE CARGET TOUT CERGITAL TARAN SA GTTCBACKT P.C.COCCARGOLKOCTSGARGORTGOGOGTGCGARGBACARTOR BACKTOROSGTGOGORTGOARAGKTOCTGGAGTACTALALALALARALGAALT EFFURAGETURCEGGFGCCCCAGGCARGGFAGCCPFSGGGGGAGGBAGGATCGAGAACGAATTGCGGGTGCGGACFGGGGAAGFGCFTGGRGFACFACFATGAAAACGACT (442) (441) (441)

TECTROCERRABOCCOARGORICBATIONALIBOCOCTACTOCRAPECTROCTERCIBOTIONOCROCIBOTION CONTRACTOCTICTIC BOCARA A LACOTTECT TECTROCERRABOCCOARGORICBATIONALIBOCOCTACTOCRAPERCIBOCTERCIBOTION CAROCOCTARACOCTICTIC CIRCLITUS BOCARA A LACOT FSCATCGGCGAGTGCGGAGTSGACTTCTGGCTTTTGAGGCCCCACGCCTGGGTSAGCAGGGGACTTTTGGGCTAACGGGGGTACGTTTTCCGGGCTATGGCGAGGGAAA ngcatcogcobattocogasticoacititgagcititgacoccacoccitosstaacagossacititogcitacoggagatotititcogoscitatocoatogosa TSCATCHOCHGTGCGGAPTSGACTTTTGGGCTTTTGAGGCCCCACHCGGTGAGGAGGAGGACTTTTGGGCTACGCGTACGTTTTCCGGGCTATHGCCAAG POTREGERARCHOCFORACEDATONATORATACECOCOCIACTION CACOTISPOS BOS CONTROCACIO CACOTISO BOS CACOTITICO BOS DA CACOTI PCTGGGGGGARCCCCGAGGARGAATGGATAGGGATACTGCGATGCTGGCTGGGTGCACCAGCCGGCTGCAAGTCCTTTCGTACTGTTCGGGAGAAGTGGTGGG SCABRATGRETACTBOOGSOGTOGSBATABCODOOGCTCTGSBACCOABBAACBOAACBACTACTOACDACTOGTCTCTCTTCTTCTTCTTCTTACTTCTTACTTCTTCT (351) 5513 551) 6283 4611 271) (442) 5511 5513 1293 661) 6611 6611 2773 (199 661) 2713

Consecsus Consecus MC50A6 BCY MC50A8 BCY 4054,21 BCY 4035.29 BCX 4055.32 BCY ACSOBLS BCX MCSOA6 BCX MCSOAS BCY 4054.21 BCY MC55.29 BCY MC55.32 BCY WCSOAl9 RCY

originsi BCY1

originsi SCY1 MC50A8 BCY 4054.21 BCY 4055.29 BCX . 32 BCY

principal BCY1

WCSCALS BCY

## FIGURE 3C

OTIGINAL BCYL MCEGAN BCY I MCEGAN BCY I MCEGAN BCY I	(878) (861) (861)	
MC95.23 BCY I MC95.32 BCY I Consensus	(881)	
original BCYI MC50A58 BCY I MC50A5 BCY I MC50A5 BCY I MC54.21 BCY I MC55.29 BCY I MC55.29 BCY I	27777777	
original BCVI MC90AL9 BCY I WC90A BCY I WC94 21 BCY I MC94 22 BCY I MC95 29 BCY I	100338888888	COACOTRATECTOS PROSTORIOS CALCADOS CONTRADES CONTRADES.  CANDIDATES CONTRADES CONTRADES CONTRADES CONTRADES CONTRADES CONTRADES CONTRADES CONTRADES.  CANDIDATES CONTRADES CONTRADES CONTRADES CONTRADES CONTRADES CONTRADES CONTRADES.  CANDIDATES CONTRADES CONTRADES CONTRADES CONTRADES CONTRADES CONTRADES CONTRADES.  CANDIDATES CONTRADES CONTRADES CONTRADES CONTRADES CONTRADES CONTRADES CONTRADES.  CANDIDATES CONTRADES CONTRADES CONTRADES CONTRADES CONTRADES CONTRADES.  CANDIDATES CONTRADES CONTRADES CONTRADES CONTRADES CONTRADES CONTRADES.  CANDIDATES CONTRADES CONTRADES CONTRAD
original BCYI MC10A19 BCY I WC10A19 BCY I WC14-21 BCY I MC14-21 BCY I MC15-22 BCY I	(12008) (12008) (1204) (1204)	CRATARICO ACTION COTOCALARITY CACACATA TO

### 1

### FIGURE 3D

SMIRASRNKS RIGKILEYNN YYGVAETSPP GPPGAHRSPA TSAGPELAGL PRRPPGEPLQ GFSKLGGGGL RSFGGGRDCM VCFESEVTAA REIISAAEHF REEIETHIAV PGYGVGKQDV TCAPGNVERA GDFGYGGYLF NITECVEVET SEHVAEIVGR OGCKIKALRA KINTYIKTEV RGEBEVEMYT GRREDVATAR QQTNIYIITP SRDRDPVFEI CIGECGVDSG FEAPRLGEQG PKGATIKRIQ LSTFRONSLG INPUGHNIFU MECAVRICER IDPECPVOHI TAAQAIRIES PGQVTIRVRV PYRVVGLVVG AAIDSRYSDA WRVHQPGCKP IMAGQENATP ISVLESSASS SSSSAKARA MAELRIKGSS GARFGVAPAL ENDFLAGSPD